

1
B wherein n represents a number of particles in a channel of a particle size analyzing apparatus that uses the Coulter principle, such as a Coulter Counter, R represents a channel particle diameter in the Coulter Counter, and ρ represents a toner density.

Page 17, line 24-page 18, line 6, delete current paragraph and insert therefor:

2
B The foregoing materials are dispersed in a ball mill for 5 hours, and 0.4 part by weight of benzoyl peroxide as a polymerization initiator is added thereto to prepare a dispersion. The dispersion is added to 200 parts by weight of water along with 20 parts by weight of calcium carbonate (RUMINAS, produced by Maruo Calcium Co., Ltd.), and the mixture is mixed and dispersed in a round stainless steel flask with a homogenizer (ULTRA-TURRAX T50, produced by IKA Corp.), and is heated to 85°C over an oil bath for heating under stirring inside the flask, followed by maintaining for 5 hours.

Page 20, lines 1-19, delete current paragraph and insert therefor:

3
B The foregoing components are mixed and dissolved to prepare a solution. A surfactant solution formed by dissolving 6 g of a nonionic surfactant (NONIPOL 400, produced by Sanyo Chemical Industries, Ltd.) and 10 g of an anionic surface active agent (NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.) in 550 g of ion exchanged water is placed in a flask, and the solution obtained above is dispersed and emulsified therein. The emulsion is slowly stirred over 10 minutes, during which 50 g of ion exchanged water having 4 g of ammonium persulfate dissolved therein is added thereto, followed by substituting with nitrogen. Thereafter, the content of the flask is heated to 70°C over an oil bath under stirring, and the emulsion polymerization is continued for 5 hours to obtain a resin particle dispersion (1). The resin particles are separated from the resin particle dispersion (1) and measured for various characteristics, and it is found that the mean diameter is 180 nm, the glass transition point is 54.5°C, the weight average molecular weight M_w is 38,000, and the number average molecular weight M_n is 10,500.

(Preparation of Pigment Dispersion (1))

Blue pigment (copper phthalocyanine) 50 g

(PB15:3, produced by Dainichiseika Color and Chemicals Mfg Co., Ltd.)

Anionic surfactant 5 g

(NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.)

Ion exchanged water 200 g

[Page 20, line 21-page 21, line 5, delete current paragraph and insert therefor:]

The foregoing components are mixed and dissolved, and the mixture is dispersed by using a homogenizer (ULTRA-TURRAX, produced by IKA Corp.) and an ultrasonic wave irradiator, so as to obtain a blue pigment dispersion (1) having a mean diameter of 140 nm.

(Preparation of Releasing Agent Dispersion (1))

Polyethylene wax 50 g

Polyethylene wax 50 g

(POLYWAX 725, produced by Toyo Petrolight Co., Ltd.)

Anionic surfactant 5 g

(NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.)

Ion exchanged water 200 g

[Page 21, lines 6-10, delete current paragraph and insert therefor:]

The foregoing components are heated to 105°C, and the mixture is dispersed by a homogenizer (ULTRA-TURRAX T50, produced by IKA Corp.) and is further subjected to a dispersing treatment by a pressure discharge type homogenizer, so as to obtain a releasing agent dispersion (1) having a mean diameter of 170 nm.

(Production of Aggregated Particles)

Page 21, lines 17-25, delete current paragraph and insert therefor:

Ph^u
The foregoing components are mixed and dispersed in a round stainless steel flask with a homogenizer (ULTRA-TURRAX T50, produced by IKA Corp.), and is then heated to 50°C over an oil bath for heating under stirring inside the flask. After maintaining at 50°C for 30 minutes, observation with an optical microscope reveals that it is confirmed that aggregated particles having an average particle diameter of about 5.5 μm are formed. 100 g of the resin particle dispersion (1) is gradually added to the resulting aggregated particle dispersion, and the mixture is heated to 52°C by increasing the temperature of the oil bath for heating, followed by maintaining at that temperature for 1 hour, whereby an aggregated particle dispersion is obtained.

Page 25, lines 12-25, delete current paragraph and insert therefor:

*Ph*⁶
The foregoing components are mixed and dissolved to prepare a solution. A surfactant solution formed by dissolving 6 g of a nonionic surfactant (NONIPOL 400, produced by Sanyo Chemical Industries, Ltd.) and 12 g of an anionic surface active agent (NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.) in 550 g of ion exchanged water is placed in a flask, and the solution obtained above is dispersed and emulsified therein. The emulsion is slowly stirred over 10 minutes, during which 50 g of ion exchanged water having 4 g of ammonium persulfate dissolved therein is added thereto, followed by substituting with nitrogen. Thereafter, the content of the flask is heated to 70°C over an oil bath under stirring, and the emulsion polymerization is continued for 5 hours to obtain a resin particle dispersion (2). The resin particles are separated from the resin particle dispersion (2) and measured for various characteristics, and it is found that the mean diameter is 160 nm, the glass transition point is 50.5°C, the weight average molecular weight M_w is 55,000, and the number average molecular weight M_n is 10,200.

Page 26, lines 1-5, delete current paragraph and insert therefor:

(Preparation of Pigment Dispersion (2))

B⁷ Yellow pigment 50 g

(PY180, produced by Clariant Japan Co., Ltd.)

Anionic surfactant 4 g

(NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.)

Ion exchanged water 200 g

Page 26, lines 7-16, delete current paragraph and insert therefor:

B⁸ The foregoing components are mixed and dissolved, and the mixture is dispersed by using a homogenizer (ULTRA-TURRAX, produced by IKA Corp.) and an ultrasonic wave irradiator, so as to obtain a yellow pigment dispersion (2) having a mean diameter of 185 nm.

(Preparation of Releasing Agent Dispersion (2))

Paraffin wax 50 g

(HNP 0190, produced by Nippon Seiro Co., Ltd.)

Anionic surfactant 5 g

(NEOGEN SC, produced by Dai-ichi Kogyo Seiyaku Co., Ltd.)

Ion exchanged water 200 g

[Page 26, lines 17-20, delete current paragraph and insert therefor:]

The foregoing components are heated to 90°C, and the mixture is dispersed by a homogenizer (ULTRA-TURRAX T50, produced by IKA Corp.) and is further subjected to a dispersing treatment by a pressure discharge type homogenizer, so as to obtain a releasing agent dispersion (2) having a mean diameter of 140 nm.